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CHAPTER VIII—PUBLIC WORKS, ELECTRICAL AND TRANSPORT DEPARTMENTS.

(i) Public Works.

Projects.

937. The grant for the several works, the execution of which was entrusted to the Public Works Department, stood at Rs. 4,94,46,937.

938. The construction of the reservoir across the Bhadra at Lakkavally was one of the major Irrigation Schemes in the Tungabhadra Basin in the northern parts of the State. The scheme was sanctioned in November 1946. Against the estimated cost of Rs. 20 crores, an outlay of Rs. 93,26,883 was incurred up to the end of March 1952. Against the year's grant of Rs. 19,00,000 an outlay of Rs. 19,98,221 was incurred. The estimate for the project amounting to Rs. 252 lakhs based on the recommendations of the Three-Man Committee was sanctioned in April 1952. This estimate provides for the construction of the dam to *plus* 35 level to conform to the profile for the full section and without the channels. The Survey of India took up the Air Survey of the submersion area of the Bhadra Reservoir during November 1951. Air photographs of the area were taken and the ground control survey had been almost completed.

939. Bhadra Reservoir Works is a major multi-purpose project benefiting the arid tracts of Shimoga and Chitaldrug Districts by providing irrigation facilities for 180,000 acres, the culturable commanded area being 3·00 lakhs acres. Power to the extent of 17,000 H.P. can be produced at the dam site.

940. The scheme of constructing an anicut across the Tunga near Sakrebyle, Shimoga Taluk, has been taken up for irrigation in regions of low rainfall in Shimoga and Honnali Taluks. The work was started in June 1946. Against the revised estimate of Rs. 1·5 crores, an outlay of Rs. 72,34,123 was incurred up to the end of March 1952. Against the year's grant of Rs. 20 lakhs, an outlay of Rs. 21,47,898 was incurred.

941. The construction of a reservoir across the river Nugu near Birwal is one of the major schemes included in the Cauvery basin. The project that was sanctioned in the year 1946 commenced working in December 1947. According

to the "Go Slow" programme recommended by the Three-Man Committee, the dam will have to be completed to 60 feet height. Against the revised estimate for Rs. 2·20 crores for the entire scheme, an outlay of Rs. 45,45,849 was incurred up to the end of March 1952. Against the grant of Rs. 20 lakhs for the year, an outlay of Rs. 20·15 lakhs was incurred during the year.

942. The construction of new tank across Chikkagari river near Thuppadahally in Chitaldrug District at a revised estimate of Rs. 12,50,000 was in good progress.

943. The construction of some of the major works that were in various stages of progress during the year, were—

1. Construction of a new tank across Sokkehalla near Gadimakunte, Chitaldrug District, at an estimated cost of Rs. 8,90,000.
2. Construction of a new tank across Jinigehalla near Sangenahally in Chitaldrug District at an estimated cost of Rs. 25,50,000.
3. Construction of a new tank at Syagalihalli at Muthugadur, Chitaldrug District, at an estimated cost of Rs. 7,80,000.
4. Construction of a new tank at Parasurampura, Chitaldrug District, at an estimated cost of Rs. 11,95,000.
5. Construction of a new tank across the Jayamangali river near Irkasandra at an estimated cost of Rs. 13,80,000.
6. Construction of a new tank at Honnamachanahalli, Tumkur District, at an estimated cost of Rs. 5,50,000.
7. Construction of a new tank at Nelligudda, Bangalore District, at an estimated cost of Rs. 9,14,000.
8. Construction of a reservoir across the Kanva (Balance Works), Bangalore District, at an estimated cost of Rs. 38,99,615.
9. Construction of a reservoir across the Shimsha near Marconahally at an estimated cost of Rs. 4,60,000.

944. The construction and restoration of several tanks and anicuts were also under progress during the year.

945. Several Office, Hospital and School buildings were under construction during the year.

946. The formation of various roads was in progress during the year.

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947. The major water works of (1) Chamarajasagara, Thippagondanahally, (2) Vani Vilas Water Works, Mysore, and (3) Kolar Gold Fields Water Works were continued under the control of the Water Supply Division.

948. The demand for water in Bangalore has been on the increase due to increase of population, establishment of new industries and formation of new extensions. Intermittent water supply had, therefore, to be resorted to.

Bore Well Plant.

949. The activities of this section throughout the year consisted in putting up bore-wells in various parts of the State. There were only 12 drills under operation. The execution of bore-wells was taken up only on priority basis. Twenty seven bore-well works were undertaken by this section during the year at an estimated cost of Rs. 1,52,960.

Government Architect's Section.

950. Requisitions for designs for construction of several buildings in the State continued to be on the increase during the year. Several old type designs were modified, to reduce the cost of construction without sacrificing comfort and accommodation. New type designs for various types of buildings were also prepared. Bus shelters, out-patient dispensaries, cheap labour houses, garrages for Mysore Government Road Transport, etc., were some of the type designs prepared during the year. Numerous special designs as required by the Executive Engineers, Heads of Departments, and other Government Institutions continued to be prepared. A number of lay-outs were prepared during the year for various Municipalities and Local Bodies in the State.

951. The Government Architect continued to be the Secretary of the Town Planning Committee. He was nominated by Government as a member of the Committee constituted for the purpose of suggesting ways and means for the prevention of slums in Bangalore. He was also nominated as a member of the Greater Bangalore Development Committee constituted by Government under the Chairmanship of Pradhana Shiromani N. Madhava Rao for the purpose of the preparation of a Master Plan for Greater Bangalore.

The Grow More Food Drive.

952. The Grow More Food Schemes were extended to Mysore State with grants and loans from the Central Government with effect from 1st April 1949. The year 1951-52 was the third year of operation. A sum of

Rs. 53·50 lakhs under 'GRANTS' and a sum of Rs. 34·00 lakhs under 'LOANS' were sanctioned by the Central Government during the year.

953. The several schemes eligible for grants and loans included in the Grow More Food Drive during the year were—

1. Lift Irrigation Schemes,
2. Construction of Big Tanks,
3. Restoration of Minor Tanks,
4. Desilting of Tanks,
5. Improvements to River Tank feeder and pick-up channels, and
6. Land Improvement Schemes.

954. The programme for the year 1951-52 was drawn up for an aggregate amount of Rs. 135 lakhs for the acceptance of the Government of India.

955. The post of an Adviser for Major Irrigation Works was abolished by Government, and the post of a Special Chief Engineer for being in charge of the works under the control of the Adviser and Grow More Food Works was created by Government. The greatest activity of the Grow More Food Scheme consisted in the renovation of old river and tank channels. Due to the heavy accumulation of silt and jungle growth, the discharging capacities of most of the channels had considerably reduced with the result that there were chronic complaints of insufficiency of water supplies to lands at distant and tail-end portions of channels.

The First Five-Year Plan.

956. The First Five-Year Plan as accepted by the Planning Commission of the Government of India was finalised in October 1951. The year 1951-52 was the first year of the Plan. The five-year total of the Plan amounted to Rs. 1,289·55 lakhs. As the plan is an overall picture of the development activities of the P.W.D., all "Grow More Food" Schemes, large irrigation works in progress and road construction works including bridges have been included in the Plan.

957. The Road Development plan contemplated a programme of works for Rs. 57·50 lakhs. The actual outlay incurred was Rs. 23,42,241.

Re-classification of Roads in Mysore State.

958. The Committee to examine the question of re-classification of roads in the State which was reconstituted in December 1949 met seven times and made several

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recommendations to Government. They recommended the re-classification of all the roads in the State into four classes with enhanced mileage grants. The recommendations were sanctioned in August 1951. The cost of maintenance of Class I Roads was ordered to be met by Government fully and that of Classes II, III and IV was ordered to be shared equally by the District Boards and Government. The total cost of annual repairs of these roads was raised to Rs. 42,39,051.

Regulation of water due to Madras.

959. The quantity of water due to Madras was let down daily as per rules of Agreement between the two Governments. Gauging at several standard stations were conducted for several stages. Against the maximum storage level of 124·80, the level reached during the year was 123·91 on 14th October 1951.

960. An estimate amounting to Rs. 29·7 lakhs was sanctioned in April 1948 for protective works in 103 and *Plus* 106 B. valley. Protective works in 103 were completed and works in *Plus* 106 valley are proposed to be taken up during 1952-53.

961. The following were some of the important works that were sanctioned during the year:—

		Rs.
1.	Constructing an anicut across Suvarnamukhi river in Kankanhally	1,65,400
2.	Protective Works to waste weir draft halla of Byramangala Tank in Ramanagaram Taluk	2,41,500
3.	Lift Irrigation Scheme at Maragowdanahally, Malvally Taluk	1,73,000
4.	Opening H. L. Channel from Nugu Reservoir	96,00,000
5.	Opening a feeder channel to Sulekere Tank, Nagamangala Taluk	9,50,000
	B. BUILDINGS.	
6.	Constructinga workshop for overhauling, etc., for Mysore Government Road Transport Service	1,60,000
7.	Supplemental works for the above ...	1,00,000
8.	Construction of a building for the Occupational Institute, Mysore	2,84,500
9.	Out-patient Dispensary attached to Krishnarajendra Hospital	2,17,000
10.	Constructing Crawford Hall, Mysore ...	9,69,705

BRIDGES.

		Rs.
11.	Constructing a bridge across the Kabbini near Thumbasoge	4,21,753

The following were some of the important major works that were under progress:—

		Rs.
1.	Constructing Sunnymutt Kannaju Anicut ...	2,19,000
2.	Opening out a Right Bank Channel from Marconahally Reservoir ...	2,56,000
3.	Constructing a new tank at Agaradahalli Tank, Channagiri Taluk... ...	2,75,000
4.	Protective Works to the Waste Weir Valley	29,70,000
5.	Opening Nugu Left Bank Channel from Halsur Anicut	9,40,000
6.	Nugu Reservoir Works and High Level Canal	83,50,000
7.	Hebballa Pick-up Channel ...	33,00,000
8.	Improving and extending Keelara Pick-up channels	2,20,000
9.	Constructing an ane across the Lokapavani near Bolenahally	3,56,000
10.	Constructing an ane across the Veeravaishnavi near Dummasandra	2,00,000
11.	Constructing an ane across the Veeravaishnavi near Uyyanahally	9,50,000
12.	Constructing rear extension of New Public Offices	6,85,000
13.	Constructing cement concrete houses at K.G.F.	2,55,000
14.	Constructing 320 quarters for P.A.R.P. at Adugodi in Bangalore South Taluk ...	14,48,000
15.	Constructing additional units for P.A.R.P. Lines at Bangalore	3,95,000
16.	Extension to Weavers' Shed, Sri Krishnarajendra Silver Jubilee Technological Institute, Bangalore	3,62,000
17.	Constructing Natural Science Block attached to Central College, Bangalore ...	3,62,000
18.	Constructing Occupational Institute at Davangere	4,85,000
19.	Constructing right wing to Sri Kempa Cheluvarajammanniavara Hospital at Malleswaram, Bangalore ...	3,62,000
20.	Constructing General Hospital Building at Tumkur	4,72,000